

Title (en)
Unloading device for bale wrapper apparatus

Title (de)
Entladungsvorrichtung für ein Ballenwickelgerät

Title (fr)
Dispositif de décharge pour un appareil d'emballage de balles

Publication
EP 1097627 A1 20010509 (EN)

Application
EP 00309383 A 20001025

Priority
GB 9926097 A 19991104

Abstract (en)

A bale wrapper apparatus (10) which comprises a wrapping table (11) including at least two spaced apart parallel rollers (12) for receiving a bale (14) and operative to rotate the bale generally about its axis during wrapping with stretched film; holding means for holding a reel of stretchable plastics film; means for applying relative rotation between said holding means and said table (11) about an upright axis extending generally perpendicular to the axis of the bale (14) so that wrapping of the bale can take place; means for tilting the table (11) in a direction perpendicular to the axes of the rollers (12) in order to discharge a wrapped bale (14a) from the table (11); and a receiving cradle (15) mounted on the frame (16) of the apparatus (10) so as to receive the wrapped bale (14a) when the latter is discharged from the table (11), said bale (14a) being movable in a direction generally perpendicular to its axis so as to be received by the cradle (15); in which: a) the receiving cradle (15) is adjustable between a bale-receiving position in which the bale axis extends substantially parallel to a support surface (18) on which the apparatus (10) is standing, and an inclined discharge position in which the wrapped bale (14a) can move generally lengthwise of its axis in order to take-up a stacked end-on position (14b) extending upwardly from the support surface (18); and b) the cradle (15) includes support means (19, 19a, 25) for supporting the bale (14a) when it is received by the cradle (15), said support means being movable with the cradle (15) to the discharge position, and also being movable simultaneously with the movement of the bale (14a) to the stacked position (14b), in order to minimise relative sliding movement between the surface of the wrapped bale (14a) and the support means (19, 19a, 25), and thereby to assist the movement of the bale. <IMAGE>

IPC 1-7
A01F 15/07

IPC 8 full level
A01F 15/07 (2006.01); **A01F 15/08** (2006.01)

CPC (source: EP)
A01F 15/071 (2013.01); **A01F 15/0883** (2013.01); **A01F 2015/074** (2013.01)

Citation (search report)

- [XA] GB 2305648 A 19970416 - WELLMOUNT LTD [IE]
- [X] EP 0910941 A1 19990428 - AGRI PATENTS LIMITED [IE]

Cited by
EP3106023A1; DE10254954A1; EP3958666A4; NL2014987B1; EP2606714A1

Designated contracting state (EPC)
AT DE FR GB IE

DOCDB simple family (publication)
EP 1097627 A1 20010509; EP 1097627 B1 20060308; AT E319294 T1 20060315; DE 60026462 D1 20060504; GB 9926097 D0 20000112

DOCDB simple family (application)
EP 00309383 A 20001025; AT 00309383 T 20001025; DE 60026462 T 20001025; GB 9926097 A 19991104